

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 16769

State if Report is also sent on the Machinery of the Vessel.

Port of New York Date of completion of Report 4th June 1919 Received at London Office TUE 10 JUL 1919
 Survey held at Kearny N.J. Date, First Survey 14 Sept 18 Last Survey 13rd May 1919
 On the (State if Single, Twin, or Triple Screw) Sing. Steel Se. SS. "LORAIN" Rig 3 & A. Schooner.
 TONNAGE under 5894.54 CLASS 100A1. Steel. Bk. with 3rd. Long. Framing. Master A. G. HUNLEY.
 Do. between Tonnage Dk. and ✓ Breadth (greatest moulded) 55'-0" Year of Appointment (1) As Master in service of owner of present vessel - 191. ✓
 3rd, 4th, or Awning Dk. ✓ Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 34'-11" (2) As Master of this vessel - 191. ✓
 Total under Upper Dk. 5894.54 Deduct height of 'tween deck when this does not exceed 8ft. 7'-11" Built at Kearny, N.J.
 Do. of Poop 162.85 Transverse Number 55+27 = 82.00 When built 1919 - Sued. launched 17.4.19.
 Do. of R. Qr. Dk. 418.31 Length on deck from fore part of stem to after part of sternpost 395.50 By whom built Federal Shipbuilding Co.
 Do. of Bridge House 38.86 Longitudinal Number 82 x 395.50 = 32431 Owners U.S. Shipping Board Emergency Fleet Corp.
 Do. of Forecastle 235.88 Depth "d" at middle of length. See Secs. 2 & 13. 22'-3" Managers do. do. do.
 Do. of Houses on Deck 16.44 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 11-33 Residence Philadelphia.
 Do. of excess of Hatchways 82.92 " " " Deck at side to top of keel 9.32 Port belonging to KEARNY.
 Do. above Crown of Engine Room 6849.80 Destined Voyage Australia. If Surveyed while Building, Afloat, or in Dry Dock Yes.
 Gross Tonnage 6849.80 Less Crew Space 299.47 Less above Crown of Engine Room 82.92 Tonnage for Fees... 6467.41
 Less Engine Room 2191.93 Less Navigation Spaces 70.70 Master's Spaces 18.91 Register Tonnage 4268.79

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
395	6		55	0		31-4	Shelter Dk. Moulded depth, ft. 34 ins. 11 To Awning Shelter Dk. Moulded depth, ft. 27 ins. 0 To Upper Dk.	31	8	2	2
Dimensions of Ship per Register, Length <u>395.5</u> breadth <u>55.0</u> depth <u>22.5</u>											
FRAMING.						PILLARS.					
FRAME, Angles, or \square or \angle Bars, amidships						PILLARS, In 'tween Deck, size and spacing					
Do. in peaks <u>Aft. 4th. B. Ang.</u>						" " Hold					
Do. in way of Double Bottoms at Solid Floors						" Quarter, 'tween Dks., as per Profile <u>5' x 50' 7 1/2 x 50' 7 1/2</u>					
" " at intermdt. Bkts.						" " in Hold as per Profile <u>12' x 60' and as per Profile</u>					
Spacing of Frames from centre to centre amidships						KEELSONS AND STRINGERS.					
" length to collision bulkhead						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" of Frames from centre to centre in peaks						" Rider Plate					
REVERSED FRAME, Angles						" Flat Keel Plate Angles					
Do. in way of Double bottoms at Solid Floors						" Horizontal Plates on Floors					
" " at intermdt. Bkts.						" Angles or Bulb Angles					
FRAMING, depth of girder						SIDE KEELSONS, Number					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{3}{4}$ length amidships						" Angles or Bulb Angles					
" in way of Engine and Boiler spaces						" Plate above floors, for length					
" thickness at the ends of vessel						" Intercoastal Plate, for length					
" depth at $\frac{3}{4}$ the half-bdth. as per Rule						" Attached to outside plating with Angle					
" height extended at the Bilges						BILGE KEELSON, Angles					
FLOORS, in Cell Double Bottoms						" Intercoastal Plate, for length					
" state if flanged (top and bottom)						" Attached to outside plating with Angle					
" spacing of Solid						SIDE STRINGERS, Number					
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness						" Angle					
" Angles, Top						" Intercoastal Plate, for lng.					
" Bottom						" Attached to outside plating with Angle					
" to Floors						Awning or Shelter Deck Stringer Plates, breadth and thickness					
" Brackets at intermdt. frmg., width & thkns						" Angle on ditto					
SIDE GIRDERS, number and thickness						" Tie Plates, fore and aft, outside Hatchways					
" state if flanged (top & bottom)						" Deck, * Iron Steel, for whole lng.					
" Angles						" Wood Deck, Material & thickness					
MARGIN PLATE, depth (exclusive of flange)						Upper Deck Stringer Plate, breadth and thickness					
Straight See Mid. Sectn. and thickness						" Angles on ditto, No. <u>to Shell only.</u>					
" Angles to outside plating						" Tie Plates, outside Hatchways					
" to floors						" Deck, * Iron Steel, for whole lng.					
" Brackets at intermdt. frmg., width & thkns						" Wood Deck, Material & thickness					
" Height of Brackets above at bilge						Second Deck Stringer Plates, br'dth & thckn's					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" Angles on ditto, No.					
" thickness in Engine and Boiler space						" Tie Plates, outside Hatchways					
" Remainder in Holds						" Deck, * Material and thickness					
BEAMS, Awning or Shltr Dk. Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness					
Spacing at after end only. Chans.						" Angles on ditto, No.					
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Tie Plates, outside Hatchways					
Spacing at after end only. Chans.						" Deck, Material and thickness					
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						Poop Deck Stringer Plate, breadth & thickness					
" Angles on upper edge						" Angles on ditto					
" Spacing						" Tie Plates					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Deck, Material and thickness					
" Angles on upper edge						Bridge Deck Stringer Plate, br'dth & thickness					
" Spacing						" Angle on ditto					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Tie Plates					
" Angles on upper edge						" Deck, Material and thickness					
" Spacing						Forecastle Deck Stringer Plate, br'dth & th'kns					
						" Angle on ditto					
						" Tie Plates					
						" Deck, Material and thickness					

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 44.75 ft., R.Q.D. ✓ ft., Bridge 109.5 ft., Forecastle 36 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given should appear in the Register Book) Two decks steel. ✓

Official No. 218077 ; Signal Letters LRFC. State if Machinery is fitted aft No. Amidships. ✓ Outside Paint. ✓

How are the surfaces preserved from oxidation? Inside Cement and paint. ✓

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	126-0	462	Fore peak tank,	26-9	1
Double bottom, under Engines and Boilers,	42-0	260	After peak tank,	27-6	1
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	162-9	790	Deep tank, forward,	✓	✓
Double bottom, forward,	Total capacity of double bottom	1512	Other tanks, if fitted,	✓	✓

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules Yes, Satisfactory

Order for Special Survey No.

Date

No.

in builder's yard.

DATES of Surveys held while building

1918 Sep 10-20 Oct 14 Nov 6-21-28 Dec 4-23 1919 Jan 27 Feb 3 Mar 7-10-26 Apr 7-8-9-10-11-14-16-17-23 May 2-13-14-15-16-20-24-25

Surveyor's Signature

Robt. Cheetham b.f. Macdonald

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Lloyd's Register Foundation

GENERAL REMARKS—(continued).

W1131-0138³/₃

S.S. LORAIN.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.				AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.		Rivets in Longitudinal Frames. Diam. Speng.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Longitudinal Frames. Diam. Speng.	
				In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Speng.					
				Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.				
Framing of χ , χ & χ Chans.				6	3 $\frac{1}{2}$	.35	6	3 $\frac{1}{2}$	.35	6	3 $\frac{1}{2}$	.35	6	3 $\frac{1}{2}$	.35	7 $\frac{1}{8}$	5 $\frac{1}{4}$	5 $\frac{1}{4}$	5
Frames in Bridge 'tween Decks...				"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		
Frames from Uppermost Continuous Deck				"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		
Framing from Awning Shelter or Upper Deck to Margin Plate.				"	2	"	"	"	"	"	"	"	"	"	"	"	"	"	"		
				"	3	7	3.35	.35	7	3.35	.35	7	3.35	.35	7	3.35	.35	"	"	"	"
				"	4	7	3.40	.40	7	3.40	.40	7	3.40	.40	7	3.40	.40	"	"	4 $\frac{3}{8}$ for 9 rivets.	"
				"	5	7	3.45	.45	7	3.45	.45	7	3.45	.45	7	3.45	.45	"	"	"	"
				"	6	10	3.375	.375	10	3.375	.375	10	3.375	.375	10	3.375	.375	"	"	"	"
				"	7	"	"	"	"	"	"	"	"	"	"	"	"	"	"	3 $\frac{1}{2}$	"
				"	8	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				"	9	10	3 $\frac{1}{2}$.50	10	3 $\frac{1}{2}$.50	10	3 $\frac{1}{2}$.50	10	3 $\frac{1}{2}$.50	"	4 $\frac{3}{8}$	"	"
				"	10	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				"	11	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				"	12	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				"	13	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				"	14	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				"	15	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				"	16	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
				Spacing of Longitudinal Frames				Amidships 2'-6"			At Ends about 2'-0"										
Double Bottoms				Tank Top Longitudinals			7 3.13 .313			7 3.13 .313			7 3.13 .313			7 3.13 .313		3 $\frac{1}{4}$ 4 $\frac{1}{2}$			
χ , χ & χ Chans.				Bottom			7 3.35 .35			7 3.35 .35			7 3.35 .35			7 3.35 .35		7 $\frac{1}{8}$ 5 $\frac{1}{4}$			
Spacing of Longitudinals				Amidships 2'-6"			At Ends about 2'-0"														
Transverses.																					
In Bridge Poop & Fore 'tween Decks				Depth and Thickness			14 .38			14 .38			14 .38			14 .38					
				Face Angles			6 3 $\frac{1}{2}$.375			6 3 $\frac{1}{2}$.375			6 3 $\frac{1}{2}$.375			6 3 $\frac{1}{2}$.375		7 $\frac{1}{8}$ 4			
				Lugs to Shell			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375		15 .38			
In Awning, Shelter or Upper 'tween Decks.				Depth and Thickness			15 .38			15 .38			15 .38			15 .38					
				Face Angles			6 3 $\frac{1}{2}$.375			6 3 $\frac{1}{2}$.375			6 3 $\frac{1}{2}$.375			6 3 $\frac{1}{2}$.375		7 $\frac{1}{8}$ 4			
				Lugs to Shell			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375			3 $\frac{1}{2}$ 3 $\frac{1}{2}$.375		15 .38			
In Hold.				Depth and Thickness			30 .50			30 .50			30 .50			30 .50		31 to 34 x .50 in Fore Hold			
				Face Angles			6 4 .75			6 4 .75			6 4 .75			6 4 .75		7 $\frac{1}{8}$ 4			
				Lugs to Shell			6 6 .50			6 6 .50			6 6 .50			6 6 .50		14 $\frac{1}{2}$			
Brackets				10-6 .50			10-6 .50			10-6 .50			10-6 .50								
Spacing of Transverse Frames				10-6			10-6			10-6			10-6			10-6					
* State if jogged or liners.							has per Profile.			has per Profile.			has per Profile.			has per Profile.					
Longitudinal Beams of χ , χ & χ				Poop Side & Bridge Deck			6 2.813 .313			6 2.813 .313			6 2.813 .313			6 2.813 .313		36			
				Shlter.Dk.			"			"			"			"		"			
				Upper			6 3 $\frac{1}{2}$.35			6 3 $\frac{1}{2}$.35			6 3 $\frac{1}{2}$.35			6 3 $\frac{1}{2}$.35		"			
				Second			"			"			"			"		"			
Third				"			"			"			"			"		"			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in the respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

Total capacity of double bottom

1512

(If necessary, furnish further information by sketch.)

State whether the above have been tested as required by the Rules. Yes, Satisfactory

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No.

Date

No.

19.

in builder's yard.

DATES OF SURVEYS
held while building

1911. 1. 10. 20. Oct 14. Nov 6. 21. 22. Dec 4. 23. 1919 Jan 27 Feb 3 Mar 7. 10. 26. Apr 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 20. 24. 25.

Surveyor's Signature

Robt. Cheetham. C.F. Macdonald